

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 50   | ("5233631" "5376894" "5524127" "5566211" "5594758" "5610949" "5625652" "5729173" "6075408" "5734683" "4598310" "4253067" "4488119" "4799241" "5285471" "5506873" "5751188" "5796786" "5883548" "4313205" "4827488" "5373533" "5483695" "5943329" "3838350" "4470147" "4485487" "4622683" "4807251" "4829542" "5196904" "5222103" "5283626" "5289258" "5457532" "5471506" "5493623" "5500877" "5519356" "5559908" "5903611" "6009074" "6144708" "6178208" "6292477" "6310863" "6320664" "6549566" "4594725" "5870438").pn. | USPAT   | OR               | OFF     | 2005/08/16 12:44 |
| S2    | 575  | tamura-koichi.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2003/11/05 09:02 |
| S3    | 575  | tamura-koichi.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2003/11/05 09:03 |
| S4    | 11   | tamura-koichi.in. and nec.as.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/14 08:15 |
| S5    | 4    | ("5809009" or "5343498" or "4527278" or "5144256").pn.  | USPAT   | OR               | OFF     | 2003/11/05 14:32 |
| S6    | 9    | ("716520" or "606163").pn.  | EPO;<br>DERWENT   | OR               | OFF     | 2003/11/05 09:40 |
| S7    | 2    | "07297870".pn.  | JPO;<br>DERWENT   | OR               | OFF     | 2003/11/05 14:34 |
| S8    | 9    | ("07297870" or "07250120" or "08139775" or "08242260" or "54133812").pn..pn.  | JPO;<br>DERWENT   | OR               | OFF     | 2003/11/12 17:39 |
| S9    | 9    | ("07297870" or "07250120" or "08139775" or "08242260" or "54133812").pn..pn.  | USPAT;<br>JPO;<br>DERWENT                               | OR               | OFF     | 2003/11/05 14:36 |
| S10   | 9    | ("07297870" or "07250120" or "08139775" or "08242260" or "54133812").pn.  | JPO;<br>DERWENT   | OR               | OFF     | 2003/11/05 14:54 |
| S11   | 1    | "5550869".pn.   | USPAT   | OR               | OFF     | 2003/11/05 15:04 |

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|-----|-----|---|---|----|-----|------------------|
| S12 | 10  | ("05244144" or "08139775" or "04072932" or "08242260" or "64005135" or "08088622").pn.  | USPAT;<br>JPO;<br>DERWENT                               | OR | OFF | 2003/11/05 15:08 |
| S13 | 10  | ("05244144" or "08139775" or "04072932" or "08242260" or "64005135" or "08088622").pn.  | USPAT;<br>EPO; JPO;<br>DERWENT                          | OR | OFF | 2003/11/05 15:05 |
| S14 | 0   | ( "64005135").pn.   | USPAT;<br>JPO;<br>DERWENT                               | OR | OFF | 2003/11/05 15:09 |
| S15 | 2   | ( "6405135").pn.  | USPAT;<br>JPO;<br>DERWENT                               | OR | OFF | 2003/11/05 15:09 |
| S16 | 6   | ( "645135").pn.   | USPAT;<br>JPO;<br>DERWENT                               | OR | OFF | 2003/11/05 15:48 |
| S17 | 0   | jp-64005135-\$.did.   | USPAT;<br>JPO;<br>DERWENT                               | OR | OFF | 2003/11/05 16:28 |
| S18 | 336 | quadrature adj detector and (a/d or adc)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/05 16:29 |
| S19 | 62  | (quadrature adj detector and (a/d or adc)) and (pilot or unique adj word\$1 or synchroniz\$5 adj word\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/07 09:41 |
| S20 | 970 | (I with q and (a/d or adc)) and (pilot or unique adj word\$1 or synchroniz\$5 adj word\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/07 10:06 |
| S21 | 5   | ("5193224"   "5345311"   "5757864"   "5991342"   "6452983").PN.   | USPAT   | OR | OFF | 2003/11/07 09:48 |
| S22 | 464 | (I with q same (a/d or adc)) and (pilot or unique adj word\$1 or synchroniz\$5 adj word\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 09:33 |
| S23 | 12  | ("3493866"   "4203070"   "4280219"   "4619002"   "4871973"   "4962508"   "4969160"   "5272724"   "5396521"   "5416802"   "5574750"   "5596323").PN. | USPAT   | OR | OFF | 2003/11/07 15:29 |
| S24 | 1   | "5148451".pn.   | USPAT   | OR | OFF | 2003/11/07 16:13 |

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| S25 | 37667 | unique adj word\$1 or (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 13:48 |
| S26 | 1266  | (unique adj word\$1 or (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence) ) same phase near (rotat\$5 or shift\$3)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 10:06 |
| S27 | 69    | ((unique adj word\$1 or (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence) ) same phase near (rotat\$5 or shift\$3)) and (i with q) same (adc or a/d) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 10:11 |
| S28 | 6045  | (unique adj word\$1 or (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence) ) same phase  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 10:07 |
| S29 | 251   | ((unique adj word\$1 or (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence) ) same phase ) and (i with q) same (adc or a/d)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 10:11 |
| S30 | 47    | extract\$3 with unique adj word\$1   | USPAT   | OR | OFF | 2003/11/09 10:47 |
| S31 | 1610  | extract\$3 with (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 13:48 |
| S32 | 41097 | extract\$3 with known  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/09 12:31 |
| S33 | 164   | extract\$3 with known adj (signal or sequence or pattern)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/12 11:11 |
| S34 | 1     | "5991344".pn. and unique   | USPAT   | OR | OFF | 2003/11/09 13:47 |
| S35 | 411   | q with (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/11/12 11:55 |

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| S36 | 901 | remov\$3 with (known or training or sunc or synchorniz\$5 or pilot) adj (signal or pattern or sequence) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/12 13:11 |
| S37 | 52  | remov\$3 with unique adj word\$1  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/12 13:50 |
| S38 | 141 | detect\$3 with unique adj word\$1 with correlat\$5  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/11/12 13:51 |
| S39 | 2   | "08111677".pn.  | JPO; DERWENT                                | OR | OFF | 2003/11/12 17:48 |
| S40 | 1   | "5414728".pn.   | USPAT                                       | OR | OFF | 2003/11/12 17:49 |
| S41 | 3   | ("5343498" or "5809009" or "5991344").pn.   | USPAT                                       | OR | OFF | 2004/06/03 14:37 |
| S42 | 3   | S41 and power   | USPAT                                       | OR | OFF | 2004/06/03 15:28 |
| S43 | 0   | "5550869".pn. and power   | USPAT                                       | OR | OFF | 2004/06/03 15:28 |
| S44 | 1   | "5550869".pn.   | USPAT                                       | OR | OFF | 2004/06/03 15:29 |
| S45 | 2   | S41 and "37"  | USPAT                                       | OR | OFF | 2004/06/03 15:29 |
| S46 | 1   | S44 and "37"  | USPAT                                       | OR | OFF | 2004/06/03 15:36 |
| S47 | 0   | S44 and serial  | USPAT                                       | OR | OFF | 2004/06/03 16:02 |
| S48 | 2   | "07297870".pn.  | JPO; DERWENT                                | OR | OFF | 2004/06/03 16:17 |
| S49 | 187 | power with sampling adj frequency   | JPO; DERWENT                                | OR | OFF | 2004/06/03 16:17 |
| S50 | 864 | power with sampling adj frequency   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | OFF | 2004/06/04 11:12 |
| S51 | 864 | power with sampling adj frequency   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | OFF | 2004/06/04 11:26 |
| S52 | 100 | S51 with high   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT   | OR | OFF | 2004/06/04 11:34 |

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|-----|------|---|---|----|-----|------------------|
| S53 | 39   | S51 with increas\$3 with consumption  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2004/06/07 14:44 |
| S54 | 1    | "6567389".pn. and "255"   | USPAT   | OR | OFF | 2004/06/07 14:46 |
| S55 | 1    | S54 and walsh   | USPAT   | OR | OFF | 2004/06/07 14:47 |
| S56 | 19   | unique adj (word or words) and quadrature and adc   | USPAT   | OR | OFF | 2005/01/13 14:46 |
| S58 | 1004 | (pilot or training or synchronization or sync) with correlat\$3 and analog-to-digital and phase | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:57 |
| S59 | 629  | S58 and quadrature  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 08:18 |
| S60 | 0    | S59 and parallel-to-seriel  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 08:18 |
| S61 | 0    | S59 and parallel-to-series  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 08:19 |
| S62 | 83   | S59 and parallel-to-serial  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 14:24 |
| S63 | 1004 | (pilot or training or synchronization or sync) with correlat\$3 and analog-to-digital and phase | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 13:08 |
| S64 | 1167 | (pilot or training or synchronization or sync) with correlat\$3 and analog-to-digital           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 14:14 |
| S65 | 673  | S64 and phase near2 (adjust\$3 or shift\$3 or rotat\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 08:23 |

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| S66 | 81   | S65 and parallel-to-serial  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 14:24 |
| S67 | 1167 | (pilot or training or<br>synchronization or sync) with<br>correlat\$3 and analog-to-digital | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 18:09 |
| S68 | 673  | S67 and phase near2 (adjust\$3 or<br>shift\$3 or rotat\$3)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 15:43 |
| S69 | 472  | S68 and multiplex\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 17:37 |
| S70 | 13   | S69 and p/s   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 17:38 |
| S71 | 13   | S68 and p/s   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 16:18 |
| S72 | 0    | S70 not S71   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 16:20 |
| S73 | 6    | ("4291409"   "4829543"  <br>"5313169"   "5406551"  <br>"5444697"   "5471464").PN.           | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | OFF | 2005/01/21 16:22 |
| S74 | 33   | ("5596582").URPN.   | USPAT   | OR | OFF | 2005/01/21 17:03 |
| S75 | 529  | S68 and complex   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 17:37 |
| S76 | 76   | S75 and (p/s or parallel-to-serial)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 17:56 |

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| S77 | 2314 | known with correlat\$3 and analog-to-digital  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 17:55 |
| S78 | 80   | S77 and (p/s or parallel-to-serial)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 18:11 |
| S79 | 7239 | (pilot or training or synchronization or sync or known) with (correlat\$3 or compar\$3) and analog-to-digital | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 18:10 |
| S80 | 216  | S79 and (p/s or parallel-to-serial)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:36 |
| S81 | 4408 | phase near2 (adjust\$3 or shift\$3 or rotat\$3) same (A/D or ADC or analog-to-digital)                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 08:25 |
| S82 | 192  | phase near2 (adjust\$3 or shift\$3 or rotat\$3) with baseband same (A/D or ADC or analog-to-digital)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 11:59 |
| S83 | 3    | S82 and (p/s or parallel-to-serial)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:45 |
| S84 | 1    | "5005185".pn. and ("44" or "48")  | USPAT   | OR | OFF | 2005/01/24 10:43 |
| S85 | 82   | S82 and multiplex\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:46 |
| S86 | 110  | S82 not S85   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 14:47 |
| S87 | 61   | (pilot or training or synchronization or sync) with correlat\$3 same psk                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 15:48 |

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| S88 | 54    | (pilot or training or synchronization or sync) with correlat\$3 same phase adj error and (qpsk or psk)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 13:58 |
| S89 | 70    | (pilot or training or synchronization or sync or known) with correlat\$3 same phase adj error and (qpsk or psk)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/25 06:43 |
| S91 | 2     | "6353642".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 16:13 |
| S92 | 1     | 2001-432365.NRAN   | DERWENT   | OR | OFF | 2005/01/24 14:49 |
| S93 | 160   | (pilot or training or synchronization or sync or known) with correlat\$3 same phase adj error  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 15:56 |
| S94 | 87    | S93 and quadrature   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 15:50 |
| S95 | 12764 | (pilot or training or synchronization or sync or known) and (a/d or adc or anslog-to-digital) and phase near2 (rotat\$3 or shift\$3 or compensat\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 16:00 |
| S96 | 2835  | (pilot or training or synchronization or sync or known) adj (pattern or signal or word) and (a/d or adc or anslog-to-digital) and phase near2 (rotat\$3 or shift\$3 or compensat\$3)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 16:45 |
| S97 | 1443  | S96 and quadrature   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 16:03 |
| S98 | 126   | (pilot or training or synchronization or sync or known) adj (pattern or signal or word) and (a/d or adc or anslog-to-digital) and phase near2 (rotat\$3 or shift\$3 or compensat\$3) with baseband | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 16:05 |

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| S99      | 2   | "6490010".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 17:56 |
| S10<br>0 | 1   | 1999-254508.NRAN.  | DERWENT   | OR | OFF | 2005/01/24 16:13 |
| S10<br>1 | 172 | (pilot or training or<br>synchronization or sync or known)<br>adj (pattern\$1 or signal\$1 or<br>word\$1) and (a/d or adc or<br>anslog-to-digital) same phase<br>near2 (rotat\$3 or shift\$3 or<br>compensat\$3) same quadrature | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 17:44 |
| S10<br>2 | 14  | (pilot or training or<br>synchronization or sync or known)<br>adj (pattern\$1 or signal\$1 or<br>word\$1) same carrier adj phase<br>adj error  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 17:47 |
| S10<br>3 | 16  | (pilot or training or<br>synchronization or sync or known)<br>adj (pattern\$1 or signal\$1 or<br>word\$1) same phase adj error<br>same (qam or qpsk)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 18:09 |
| S10<br>4 | 2   | "6639951".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 17:56 |
| S10<br>5 | 1   | 1999-444136.NRAN.  | DERWENT   | OR | OFF | 2005/01/24 17:56 |
| S10<br>6 | 7   | ("4940951"   "4949356"  <br>"5579346"   "5656971"  <br>"5838797"   "5943369"  <br>"5987078"):PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 18:02 |
| S10<br>7 | 39  | (pilot or training or<br>synchronization or sync or known)<br>adj (pattern\$1 or signal\$1 or<br>word\$1) same carrier adj recovery<br>same (qam or qpsk)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 18:24 |
| S10<br>8 | 266 | (pilot or training or<br>synchronization or sync or known)<br>adj (pattern\$1 or signal\$1 or<br>word\$1) same carrier same (qam<br>or qpsk)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/01/24 18:26 |

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| S109 | 142  | S108 and @ad<"19990224"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 18:24 |
| S110 | 5    | (pilot or training or synchronization or sync or known) adj (pattern\$1 or signal\$1 or word\$1) with correlat\$3 same carrier same (qam or qpsk)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 18:27 |
| S111 | 3    | (pilot or training or synchronization or sync or known) adj (pattern\$1 or signal\$1 or word\$1) with compar\$4 same carrier same (qam or qpsk)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 18:27 |
| S112 | 0    | (pilot or training or synchronization or sync or known or unique) with correlat\$3 same (analog-to digital or a/d or adc) same quadrature adj detector | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:49 |
| S113 | 0    | (pilot or training or synchronization or sync or known or unique) with correlat\$3 same (analog-to-digital or a/d or adc) same quadrature adj detector | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:51 |
| S114 | 672  | (pilot or training or synchronization or sync or known or unique) with correlat\$3 same (analog-to-digital or a/d or adc)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:58 |
| S115 | 0    | S114 same quarature  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:51 |
| S116 | 2    | S114 and quadrature adj detector   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:54 |
| S117 | 1460 | (pilot or training or synchronization or sync or known or unique) with compar\$4 same (analog-to-digital or a/d or adc)                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:53 |
| S118 | 7    | S117 and quadrature adj detector   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/25 06:54 |

|      |      |  |   |    |     |                  |
|------|------|--|---|----|-----|------------------|
| S119 | 1781 | (pilot or training or synchronization or sync or known or unique) with correlat\$3 and (analog-to-digital or a/d or adc) and quadrature              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 08:24 |
| S120 | 37   | (pilot or training or synchronization or sync or known or unique) with correlat\$3 and (analog-to-digital or a/d or adc) and quadrature adj detector | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 08:05 |
| S121 | 63   | (pilot or training or synchronization or sync or known or unique) with compar\$4 and (analog-to-digital or a/d or adc) and quadrature adj detector   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 08:05 |
| S122 | 144  | (pilot or training or synchronization or sync or known or unique) with correlat\$3 and (analog-to-digital or a/d or adc) same down adj converter     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 13:28 |
| S123 | 100  | (pilot or training or synchronization or sync or known or unique) with compar\$4 and (analog-to-digital or a/d or adc) same down adj converter       | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:06 |
| S124 | 1    | "5343498".pn.  | USPAT                                       | OR | OFF | 2005/01/25 13:45 |
| S125 | 15   | (preamble) with (compar\$4 or correlat\$3) and (analog-to-digital or a/d or adc) same down adj converter   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:08 |
| S126 | 105  | (preamble) with (compar\$4 or correlat\$3) and (analog-to-digital or a/d or adc) same quadrature   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:37 |
| S127 | 0    | (preamble) with (compar\$4 or correlat\$3) and (analog-to-digital or a/d or adc) same quadrature adj detector  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:08 |
| S128 | 0    | "5960047".pn. and start  | USPAT                                       | OR | OFF | 2005/01/25 14:54 |
| S129 | 1    | "4879728".pn. and preamble   | USPAT                                       | OR | OFF | 2005/01/25 17:37 |
| S130 | 1    | "4879728".pn. and "155"  | USPAT                                       | OR | OFF | 2005/01/25 17:37 |
| S131 | 52   | ("4879728").URPN.  | USPAT                                       | OR | OFF | 2005/01/26 07:26 |

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S13<br>2 | 6     | ("3991377"   "4438524"  <br>"4466108"   "4472817"  <br>"4757266"   "4757272").PN.                     | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/26 15:28 |
| S13<br>3 | 2     | "6693978".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/01/26 15:28 |
| S13<br>4 | 1     | 1999-046188.NRAN.   | DERWENT   | OR | OFF | 2005/01/26 15:28 |
| S13<br>5 | 26139 | frequency with phase near3<br>shift\$3  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/10 13:12 |
| S13<br>6 | 24610 | frequency with phase near shift\$3  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/10 13:12 |
| S13<br>7 | 0     | atuomatic adj frequency with<br>phase near shift\$3   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/10 13:12 |
| S13<br>8 | 76    | automatic adj frequency with<br>phase near shift\$3   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/10 15:53 |
| S13<br>9 | 313   | frequency adj offset with phase<br>near shift\$3  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/10 16:21 |
| S14<br>0 | 1     | "4821297".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/12 12:37 |
| S14<br>1 | 720   | (analog-to-digital or adc) same<br>delay same (pilot or known)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 11:26 |
| S14<br>2 | 39    | (analog-to-digital or adc) same<br>delay same (pilot or known) adj<br>(signal or sequence or pattern) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 11:25 |
| S14<br>3 | 187   | (analog-to-digital) same delay<br>same baseband   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 11:26 |
| S14<br>4 | 266   | (analog-to-digital or adc) same<br>delay same baseband  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 11:26 |

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S14<br>5 | 45  | (analog-to-digital or adc) same delay same (pilot or known) same baseband | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:42 |
| S14<br>6 | 57  | (analog-to-digital or adc) with variable adj delay                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 11:58 |
| S14<br>7 | 152 | down-convert\$3 near3 video   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:02 |
| S14<br>8 | 0   | S147 same video adj disk  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:02 |
| S14<br>9 | 1   | down-convert\$3 same video adj disk                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:02 |
| S15<br>0 | 1   | "20020085656".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/12 12:39 |
| S15<br>1 | 1   | "6034558".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/12 12:40 |
| S15<br>2 | 1   | "6178212".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 08:54 |
| S15<br>3 | 720 | (analog-to-digital or adc) same delay same (pilot or known)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:42 |
| S15<br>4 | 208 | (analog-to-digital or adc) same delay with (pilot or known)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 14:11 |

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S15<br>5 | 102 | S154 and @ad<"19990224"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 12:43 |
| S15<br>6 | 88  | (analog-to-digital or adc) near3<br>delay same (pilot or known or<br>reference or training)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 08:57 |
| S15<br>7 | 1   | "5920220".pn. and uw  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/12 15:14 |
| S15<br>8 | 1   | "6151356".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/12 15:14 |
| S15<br>9 | 2   | (analog-to-digital or adc) near3<br>delay same (unique or<br>synchronization) adj (word or<br>words or sequeunces or signal or<br>sequence or signal) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/12 15:28 |
| S16<br>0 | 1   | "5596582".pn. and phase   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 08:54 |
| S16<br>1 | 1   | (analog-to-digital or adc) near3<br>delay same (unique or sync or<br>synchronization) adj word  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 08:58 |
| S16<br>2 | 0   | (analog-to-digital or adc) near3<br>delay same (unique or sync or<br>synchronization) adj words   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:03 |
| S16<br>3 | 1   | (analog-to-digital or adc) near3<br>delay same (unique or sync or<br>synchronization) adj pattern   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 08:58 |
| S16<br>4 | 9   | (analog-to-digital or adc) near3<br>delay and (unique or sync or<br>synchronization) adj (words or<br>word or sequence or pattern)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:05 |

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|----------|----|---|---|----|-----|------------------|
| S16<br>5 | 23 | (analog-to-digital or adc or a/d)<br>near3 delay and (unique or sync<br>or synchronization) adj (words or<br>word or sequence or pattern) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:37 |
| S16<br>7 | 14 | S165 not S164   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:05 |
| S16<br>8 | 14 | (analog-to-digital or adc or a/d)<br>near3 shift and (unique or sync or<br>synchronization) adj (words or<br>word or sequence or pattern) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:26 |
| S16<br>9 | 1  | "5991344".pn. and dtma  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 09:27 |
| S17<br>0 | 14 | (analog-to-digital or adc or a/d)<br>near3 (variable or adjustable or<br>controled) adj delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:37 |
| S17<br>1 | 22 | (analog-to-digital or adc or a/d)<br>near5 (variable or adjustable or<br>controled) adj delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 10:07 |
| S17<br>2 | 0  | (analog-to-digital or adc or a/d)<br>near5 uw adj detector  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 09:54 |
| S17<br>3 | 4  | (analog-to-digital or adc or a/d)<br>with uw adj detector   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 10:09 |
| S17<br>4 | 1  | "5920220".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 10:07 |
| S17<br>5 | 1  | ("5245637").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/08/14 10:07 |
| S17<br>6 | 2  | ("5920220").URPN.   | USPAT   | OR | OFF | 2005/08/14 10:08 |

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|----------|-----|---|---|----|-----|------------------|
| S17<br>7 | 395 | (analog-to-digital or adc or a/d)<br>near5 (phase adj shift\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 10:10 |
| S17<br>8 | 223 | (analog-to-digital or adc or a/d)<br>near3 (phase adj shift\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:01 |
| S17<br>9 | 0   | S178 same unique adj word\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 10:11 |
| S18<br>0 | 13  | S178 same (training or pilot or<br>known or sync or synchronization<br>or preamble) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 10:12 |
| S18<br>1 | 148 | S178 and @ad<"19990224"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 11:55 |
| S18<br>2 | 0   | unique adj word adj detector<br>near3 (known)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 11:56 |
| S18<br>3 | 16  | unique adj word adj detector<br>near3 compar\$3                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 12:30 |
| S18<br>4 | 38  | ofdm same orthogonal adj<br>demodulation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 14:36 |
| S18<br>5 | 0   | "5596582".pn. and delay   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 14:57 |
| S18<br>6 | 1   | "5596582".pn. and phase   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 14:57 |

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|----------|------|--|---|----|-----|------------------|
| S18<br>7 | 1332 | (analog-to-digital or adc or a/d)<br>near3 delay   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:24 |
| S18<br>8 | 0    | S187 same unique adj word\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:04 |
| S18<br>9 | 125  | S187 same (training or pilot or<br>known or sync or synchronization)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:05 |
| S19<br>0 | 33   | (analog-to-digital or adc or a/d)<br>and delay with unique adj word\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:31 |
| S19<br>1 | 46   | (analog-to-digital or adc or a/d)<br>and delay near3 clock and unique<br>adj word\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:37 |
| S19<br>2 | 24   | S191 not S190  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:32 |
| S19<br>3 | 616  | (analog-to-digital or adc or a/d)<br>and delay near3 clock same (sync<br>or synchronization or pilot or<br>training or known)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 15:38 |
| S19<br>4 | 92   | (analog-to-digital or adc or a/d)<br>same delay near3 clock same<br>(sync or synchronization or pilot or<br>training or known) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/14 16:04 |

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|----------|-----|---|---|----|-----|------------------|
| S19<br>5 | 1   | (analog-to-digital or adc or a/d)<br>same delay near3 clock same<br>(sync or synchronization or pilot or<br>training or known) near3<br>compar\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 08:05 |
| S19<br>6 | 1   | "5956582".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 16:11 |
| S19<br>7 | 1   | "5596582".pn.   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/14 16:11 |
| S19<br>8 | 6   | ("4291409"   "4829543"  <br>"5313169"   "5406551"  <br>"5444697"   "5471464").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/08/14 16:11 |
| S19<br>9 | 34  | ("5596582").URPN.   | USPAT   | OR | OFF | 2005/08/14 16:16 |
| S20<br>0 | 2   | wo-9210043-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR | OFF | 2005/08/15 07:43 |
| S20<br>1 | 45  | (analog-to-digital or adc or a/d)<br>same phase same clock same<br>(sync or synchronization or pilot or<br>training or known) near3<br>compar\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 08:26 |
| S20<br>2 | 679 | (analog-to-digital or adc or a/d)<br>with ((phase adj rotator) or (phase<br>adj shifter) or (variable adj delay)<br>or (adjustable adj delay))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 10:49 |
| S20<br>3 | 14  | S202 and unique adj (word or<br>words)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 09:06 |
| S20<br>8 | 679 | (analog-to-digital or adc or a/d)<br>with ((phase adj rotator) or (phase<br>adj shifter) or (variable adj delay)<br>or (adjustable adj delay))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 10:49 |
| S20<br>9 | 70  | S208 and (sync or<br>synchronization) adj (pattern\$1 or<br>sequence\$1 or signal\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 12:54 |

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|----------|-----|--|---|----|-----|------------------|
| S21<br>0 | 1   | "5648987".pn.  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 11:31 |
| S21<br>1 | 1   | "6621527".pn. and baseband   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 11:48 |
| S21<br>2 | 1   | "6621527".pn. and "33"   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:07 |
| S21<br>3 | 1   | "5867542".pn. and "47"   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:10 |
| S21<br>4 | 0   | "5867542".pn. and "26\$1"  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:13 |
| S21<br>5 | 1   | "5867542".pn. and "26"   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:14 |
| S21<br>6 | 1   | "5867542".pn. and (reference or<br>known or pilot)   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:15 |
| S21<br>7 | 1   | "5867542".pn. and test   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 12:15 |
| S21<br>8 | 233 | S208 and (pilot or training or<br>reference or known) adj<br>(pattern\$1 or sequence\$1 or<br>signal\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/15 13:26 |
| S21<br>9 | 0   | "5438558".pn. and baseband   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 13:29 |
| S22<br>0 | 0   | "5406329".pn. and baseband   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 15:19 |
| S22<br>1 | 1   | "4057762".pn. and "406"  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/15 15:19 |
| S22<br>2 | 2   | ("fan-chieh-m.xa" or fan-chieh-m.<br>xp.) and uwb  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/16 13:56 |
| S22<br>3 | 1   | "6693978".pn.  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/16 13:56 |